

Why do we form stones and how can we prevent them?

Poster Session 01

Friday, 24 March
09:00 - 10:30

Location: Room Milan, North Hall (Level 1)

Chairs: G. Gambaro, Rome (IT)
A. Skolarikos, Athens (GR)

Aims and objectives of this session

The stone is not the disease! Unraveling the epidemiology and pathomechanisms of renal stone formation should be the aim of stone research. A thorough understanding of why crystals are retained is necessary to improve preventive concepts.

Poster viewing of 20 minutes. Presentations will take place on stage. Standard presentations are 2 minutes in length, followed by 2 minutes for discussion.

- 1 **Geographical and prevalence trends in urolithiasis in England: A ten-year review**
By: Ni Raghallaigh H., [Ellis D.](#), Symes A.
Institutes: Brighton & Sussex Univeristy Hospitals Nhs Trust, Dept. of Urology, Brighton, United Kingdom
- 2 **24-hour urine parameters and body mass index in a large cohort of high risk renal stone formers patients**
By: [Esperto E.](#)¹, Marangella M.², Miano R.³, Trinchieri A.⁴
Institutes:¹Sapienza University, Sant'andrea Hospital, Dept. of Urology, Rome, Italy, ²Mauritian's Order Hospital, Dept. of Nephrology, Turin, Italy, ³Policlinico Tor Vergata Foundation, University of Rome Tor Vergata, Dept. of Urology, Rome, Italy, ⁴Lecco's Hospital, Dept. of Urology, Lecco, Italy
- 3 **Twelve-hour overnight urine as a new tool to assess the urinary crystallization risk: Preliminary results**
By: [Casasayas Carles P.](#)¹, Rodriguez Garcia N.¹, Rodriguez A.², Saez-Torres C.², Gutierrez-Sanz-Gadea C.¹, Grases F.²
Institutes:¹Hospital Son Llatzer, Dept. of Urology, Palma de Mallorca, Spain, ²Universitat De Les Illes Balears, Laboratory of Kidney Stone Research. University Institute of Health Science Research (IUNICS-IdISP), Palma de Mallorca, Spain
- 4 **Hyperuricemia or uric-acid stone; which increases the risk of renal function deterioration?**
By: [Tanaka T.](#), Htakeyama S., Terayama Y., Saitoh F., Saitoh H., Yamamoto H., Imai A., Yoneyama T., Hashimoto Y., Koie T., Ohyama C.
Institutes: Hirosaki University Graduate School of Medicine, Dept. of Urology, Hirosaki, Japan
- 5 **Urolithiasis is an independent risk factor for fracture: A nation-wide population-based study with an 8-year follow-up**
By: [Chung H.J.](#)¹, Lin A.T-L.¹, Huang Y.H.¹, Lin C.C.¹, Chen T.J.², Chen K.K.¹
Institutes:¹Taipei Veterans General Hospital, Dept. of Urology, Taipei, Taiwan, ²Taipei Veterans General Hospital, Dept. of Family Medicine, Taipei, Taiwan
- 6 **Seeking explanations for the pathogenesis of kidney stones in studies of a relatively stone-free race group**
By: [Rodgers A.](#)
Institutes: University of Cape Town, Dept. of Chemistry, Cape Town, South Africa
- 7 **Endoscopic description of renal papillary abnormalities in stone disease by flexible ureteroscopy: A proposed classification of severity and type**

By: Almeras C.¹, Daudon M.², Ploussard G.³, Gautier J.R.³, Salin A.³, Traxer O.⁴, Meria P.⁵
Institutes:¹Clinique Saint Jean Languedoc, Dept. of Urology, Toulouse, France, ²Tenon Hospital, Dept. of Functional Explorations, Paris, France, ³Clinique Saint Jean Languedoc, Dept of Urology, Toulouse, France, ⁴Tenon Hospital, Dept of Urology, Paris, France, ⁵Saint Louis Hospital, Dept of Urology, Paris, France

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Calcium oxalate stone formation: Microstructural evaluation of Randall plaque and the plaque/stone interface

By: Wendt-Nordahl G.¹, Sethmann I.², Enzmann F.³, Simon L.³, Knoll T.¹, Klebe H.-J.²
Institutes:¹Klinikum Sindelfingen-Böblingen, Dept. of Urology, Sindelfingen, Germany, ²Technical University Darmstadt, Institut für Angewandte Geowissenschaften, Darmstadt, Germany, ³University Mainz, Institut für Geowissenschaften, Mainz, Germany

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The association between the gene polymorphisms in the calcium-sensing receptor and calcium nephrolithiasis in Jiangxi Gannan area

By: Guoxi Z., Qingming Z., Xiaofeng Z., Quanliang L., Yijun X., Gengqing W., Xiaoning W., Bo J.
Institutes: Institute of Urology, Gannan Medical University, Dept. of Urology, First Affiliated Hospital of Gannan Medical University, Ganzhou, China

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Characterizing the association between toll-like receptor types and nephrolithiasis with renal inflammation in an animal model

By: Ölçücü M.T.¹, Teke K.¹, Yalcin S.¹, Olcucuoglu E.², Caner V.⁵, Turk N.S.⁴, Tuncay O.L.³
Institutes:¹Agri State Hospital, Dept. of Urology, Agri, Turkey, ²Türkiye Yüksek İhtisas Education and Research Hospital, Dept. of Urology, Ankara, Turkey, ³Pamukkale University School of Medicine, Dept. of Urology, Denizli, Turkey, ⁴Pamukkale University School of Medicine, Dept. of Pathology, Denizli, Turkey, ⁵Pamukkale University School of Medicine, Dept. of Genetics, Denizli, Turkey

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A study on the role of SLC26A6 in urolithiasis

By: Jiang H., Wang T., Liu Z., Liu J., Wang S., Ye Z.
Institutes: Tongji Hospital of Tongji Medical College, Huazhong University of Science and Technology, Dept. of Urology, Wuhan, China

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Optimal management of cystine stone formers: 21-year retrospective follow-up study

By: Moore S.¹, Somani B.¹, Cook P.²
Institutes:¹University Hospital Southampton, Dept. of Urology, Southampton, United Kingdom, ²University Hospital Southampton, Dept. of Biochemical Pathology, Southampton, United Kingdom

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Adherence of cystinuric patients to medical prevention treatment and its impact on clinical outcomes

By: Young G.², Kampantais S.¹, Stasinou T.², Bourdoumis A.³, Chow K.²
Institutes:¹Southend University Hospital, Dept. of Urology, Southend on Sea, United Kingdom, ²University Hospital of South Manchester, Dept. of Urology, Manchester, United Kingdom, ³Pennine Acute Hospitals NHS Trust, Dept. of Urology, Manchester, United Kingdom

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Environmental melamine exposure increase renal tubular injury in patients with calcium urolithiasis: The possible mechanism of melamine associated urolithiasis formation

By: Liu C-C.¹, Wu C-F.², Hsieh T-J.³, Tsai Y-C.⁴, Huang S-P.⁵, Lee Y-C.⁵, Huang T-Y.⁵, Chou Y-H.⁵, Shen J-T.⁶, Huang C-N.⁵, Wu W-J.⁵, Wu M-T.⁷
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The efficacy of N-acetylcysteine against renal oxidative stress after extracorporeal shock wave treatment: An experimental rat model

By: Baba D.¹, Cam K.², Senoglu Y.³, Yuksel A.⁴, Basaran E.¹, Tekin A.⁴, Kayıkcı M.A.⁴, Erdem H.⁵

Institutes:¹Duzce State Hospital, Dept. of Urology, Duzce, Turkey, ²Marmara University School of Medicine, Dept. of Urology, Istanbul, Turkey, ³Aliaga State Hospital, Dept. of Urology, Izmir, Turkey, ⁴Duzce University School of Medicine, Dept. of Urology, Duzce, Turkey, ⁵Ordu University School of Medicine, Dept. of Pathology, Ordu, Turkey